Serial No. 09/497,801
Docket No. YOR999-201
YOR.093

AMENDMENTS TO THE CLAIMS:

Please cancel claims 1-7, 21, 25-30, 32, 37-40 and 44 without prejudice or disclaimer and amend the claims as follows:

1-32. (Canceled)

33. (Currently Amended) A method of linking domain knowledge to document knowledge, comprising:

rendering document knowledge as textual components with variable fields;

building an object-oriented domain model comprising domain knowledge, wherein said building an object-oriented domain model comprises organizing data input by a user into said domain model;

linking said document knowledge to said domain knowledge, by linking said domain knowledge to document knowledge variables, said domain knowledge comprising domain knowledge elements, and said domain knowledge elements are dynamically linked to said document knowledge variables through an object model access expression; and

re-evaluating the object model access expression of each of said document knowledge variables whenever the domain model is reorganized,

wherein said document knowledge variables are linked to said domain knowledge elements by selecting specific properties from the domain model by an object representation and access language,

wherein said object representation and access language (ORAL) comprises a plurality of ORAL expressions, and

2

Serial No. 09/497,801
Docket No. YOR999-201
YOR.093

~~The method according to claim 32,~~ wherein if a first ORAL expression of said plurality

of ORAL expressions comprises a single identifier, then the first ORAL expression corresponds

to a domain knowledge element.

34. (Currently Amended) A method of linking domain knowledge to document knowledge,

comprising:

    rendering document knowledge as textual components with variable fields;

    building an object-oriented domain model comprising domain knowledge, wherein said

building an object-oriented domain model comprises organizing data input by a user into said

domain model;

    linking said document knowledge to said domain knowledge, by linking said domain

knowledge to document knowledge variables, said domain knowledge comprising domain

knowledge elements, and said domain knowledge elements are dynamically linked to said

document knowledge variables through an object model access expression; and

    re-evaluating the object model access expression of each of said document knowledge

variables whenever the domain model is reorganized,

    wherein said document knowledge variables are linked to said domain knowledge

elements by selecting specific properties from the domain model by an object representation and

access language,

    wherein said object representation and access language (ORAL) comprises a plurality of

ORAL expressions, and

    ~~The method according to claim 32,~~ wherein if a first ORAL expression comprises an

identifier pre-appended to a second ORAL expression and the second ORAL expression

3

Serial No. 09/497,801
Docket No. YOR999-201
YOR.093

corresponds to a domain knowledge element, then the identifier corresponds to a property of the

domain knowledge element and said first ORAL expression corresponds to the property of the

domain knowledge element.

35. (Currently Amended) A method of linking domain knowledge to document knowledge,

comprising:

rendering document knowledge as textual components with variable fields;

building an object-oriented domain model comprising domain knowledge, wherein said

building an object-oriented domain model comprises organizing data input by a user into said

domain model;

linking said document knowledge to said domain knowledge, by linking said domain

knowledge to document knowledge variables, said domain knowledge comprising domain

knowledge elements, and said domain knowledge elements are dynamically linked to said

document knowledge variables through an object model access expression; and

re-evaluating the object model access expression of each of said document knowledge

variables whenever the domain model is reorganized,

wherein said document knowledge variables are linked to said domain knowledge

elements by selecting specific properties from the domain model by an object representation and

access language,

wherein said object representation and access language (ORAL) comprises a plurality of

ORAL expressions, and

The method according to claim 32, wherein if a first ORAL expression comprises an

identifier pre-appended to a second ORAL expression and the second ORAL expression does not

4

Serial No. 09/497,801
Docket No. YOR999-201
YOR.093
correspond to a domain knowledge element, then said first ORAL expression does not

correspond to anything.

36. (Currently Amended) A method of linking domain knowledge to document knowledge,

comprising:

rendering document knowledge as textual components with variable fields;

building an object-oriented domain model comprising domain knowledge, wherein said

building an object-oriented domain model comprises organizing data input by a user into said

domain model;

linking said document knowledge to said domain knowledge, by linking said domain

knowledge to document knowledge variables, said domain knowledge comprising domain

knowledge elements, and said domain knowledge elements are dynamically linked to said

document knowledge variables through an object model access expression; and

re-evaluating the object model access expression of each of said document knowledge

variables whenever the domain model is reorganized,

wherein said document knowledge variables are linked to said domain knowledge

elements by selecting specific properties from the domain model by an object representation and

access language,

wherein said object representation and access language (ORAL) comprises a plurality of

ORAL expressions, and

The method according to claim 32, wherein if a first ORAL expression comprises an

identifier and said identifier does not correspond to a domain knowledge element, then said first

ORAL expression does not correspond to anything.

5

Serial No. 09/497,801
Docket No. YOR999-201
YOR.093

37-44. (Canceled)

6